

ABSTRACT

A method for producing a crystalline film by melting and resolidifying a film, characterized in preparing a film having a specific region and
5 obtained either by (A) a step of forming a film in which a "specific region" and an "region continuous to a periphery of the specific region and different in thickness from the specific region" co-exist, or by (B) a step of irradiating a film with an
10 electrtromagnetic wave or particles having a mass in mutually different conditions between a specific region and a peripheral region thereof, and melting and resolidifying at least a part of the film. As the spatial position of the specific region can be
15 exactly and easily controlled, it is possible to obtain a crystalline film in which a crystal grain is formed in a desired position.